Edgardo Barsallo Yi

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EDUCATION

PURDUE UNIVERSITY
PhD in Computer Science
Expected 2019 | West Lafayette, IN
GPA: 3.51

PURDUE UNIVERSITY
Master in Computer Science
May 2017 | West Lafayette, IN
GPA: 3.45

UNIVERSIDAD PONTIFICIA DE SALAMANCA
Master in Software Eng.
Mar 2007 | Madrid, Spain

Graduate Diplomma in E-Commerce
Sept 2003 | Panama, Panama

B.Sc., Computer System Eng
Oct 1999 | Panama, Panama

COURSEWORK

GRADUATE
Operating Systems
Algorithms Analysis and Design
Parallel Computing
Fault Tolerant Comp Sys Dsgn
Software Engineering
Information Retrieval
Data Mining
Databases
Distributed Databases
Interactive Computer Graphics

UNDERGRADUATE
Software Engineering *(TA)*
Programming in C *(TA)*

SKILLS

Significant Experience:
C/++ • Shell Scripting • VB.Net •
Java • JavaScript • Nodejs •
Oracle • MySQL • PL/SQL •
Android • LaTeX
Some experience with:
Python • R • Matlab • C#
Familiar:
Hadoop • Spark • GraphX • MPI

EXPERIENCE

PURDUE UNIVERSITY | Graduate Research Assistant
Sep 2017 - Present | West Lafayette, IN
- IoT sensors networking.
- Distributed System and Graph Database Research.

INDRA | Project Manager + Software Architect
Jan 2007 – Jun 2013 | Panama, Panama
- Responsible of the design and maintenance of the architecture used in applications developed by the Indra Software Lab.
- PM of software projects based upon SOA or C/S architecture.
- Leader of R+D initiatives in Indra Software Lab.

SOLUZIONA | Information System Functional Manager
Jan 2006 – Abr 2006 | Lisbon, Portugal
- Soluziona SL representative at GALP Energia.
- Functional Administrator of the ERP System at GALP Energia

SOLUZIONA | Software Developer & Team Leader
Jun 1999 – Dec 2005, May 2006 – Dec 2006 | Panama, Panama
- Analyzed, designed and developed client/server applications.
- Led software development team.

RESEARCH

PURDUE UNIVERSITY | Research
2017 - Present | West Lafayette, IN
Reliability on Android Wear devices, with **Dr. Amiya Maji** and **Dr. Saurabh Bagchi**.

2016 – 2017 | West Lafayette, IN
TruenoDB: An scalable Graph Database System on top of Spark, GraphX and ElasticSearch. Advisor: **Dr. Ananth Grama**.

2016 | West Lafayette, IN
Ownstream: A media streaming system using WebRTC, with **Victor Santos** and **Servio Palacios**.

UNIVERSIDAD PONTIFICIA DE SALAMANCA | Master Thesis
2007 | Madrid, Spain
A proposal for an e-learning authoring tool supported by a SOA architecture aimed to facilitate the distribution and reuse of learning objects. Advisor: **Dr. Jorge Torres**

AWARDS

2013   Fulbright Scholarship.
2006   Nominated for the IV Intl. "C" Award for Work and Dedication (Unión Fenosa)
2003   Fundación Carolina Fellowship for Graduate Studies in Spain.
1999   Graduation Rank: 4 out of 94 (Summa Cum Laude).

SOCIETIES

2007   Project Management Institute (Active Member)
2006   IEEE - Computer Society (Active Member)